

Marc Girons Lopez

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Birth	5 September 1986 Barcelona (Spain)	Telephone	+46 (0) 70-712 32 80
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		Citizenship	Spain

I am a hydrologist with an interdisciplinary background who aims at making society more resilient and sustainable through addressing water-related issues. I am continuously learning about hydrology and water resources management but also about societal behaviour and data analysis. Everything is connected!

Professional Experience

- aug 2018 —* **Hydrologist** • Swedish Meteorological and Hydrological Institute, SMHI (Sweden)
Officer on duty for the Swedish and European flood warning services and researcher on seasonal streamflow forecasting.
- feb 2017 — aug 2018* **Postdoctoral Researcher** • University of Zurich (Switzerland)
My research focuses on improving the realism of the snow routine of the HBV rainfall-runoff model while maintaining a low model uncertainty. Also, I contributed to glacio-hydrological modelling of future peak flows in remote valleys of Tajikistan.
- aug 2011 — oct 2016* **Graduate Teaching Assistant** • Uppsala University (Sweden)
Lecturing, leading seminars, and leading and assisting in laboratory and field activities for both undergraduate and graduate courses.
- aug 2011 — oct 2016* **Graduate Research Assistant** • Uppsala University (Sweden)
Design and implementation of research projects within hydrology and natural disaster science, including defining research questions, modelling, data analysis, and reporting scientific results.
- jun 2009 — aug 2009* **Quality Control Intern** • Laboratori Català de Control (Spain)
Quality control tests of cement, concrete and anchorages. Tests of soil properties, water sampling and analysis. Defining procedures for adopting ISO rules.
- jul 2008 — sep 2008* **Environmental Consultant Intern** • URS Corporation (Spain)
Environmental control tests of petrol stations, soil decontamination, and hydrogeological data processing. Fauna and sediment sampling for water quality control of rivers and dams.

Education

- aug 2011 — oct 2016* **Doctor of Philosophy (PhD)** • Uppsala University (Sweden)
Hydrology and Water Resources Science
Thesis: Information Needs for Water Resource and Risk Management: Hydro-Meteorological Data Value and Non-Traditional Information.
- aug 2009 — jun 2011* **Master of Science (MSc)** • Uppsala University (Sweden)
Earth Sciences (Hydrology/Hydrogeology)
Thesis: Modelling Climatic and Hydrological Variability in Lake Babati, Northern Tanzania.

sep 2004 — jun 2009

Bachelor of Science (BSc) • Universitat Autònoma de Barcelona (Spain)
Geology

aug 2007 — jun 2008

Exchange student • Université Joseph Fourier — Grenoble I (France)
Geology and Earth Sciences

Selected Publications

(A comprehensive list of publications can be found at gironslopez.me/publications.)

Girons Lopez, M., Di Baldassarre, G., and Seibert, J. (2017). "Impact of social preparedness on flood early warning systems". In: *Water Resources Research* 53.1, pp. 522–534. ISSN: 1944-7973. DOI: [10.1002/2016WR019387](https://doi.org/10.1002/2016WR019387).

Girons Lopez, M. and Seibert, J. (2016). "Influence of hydro-meteorological data spatial aggregation on streamflow modelling". In: *Journal of Hydrology* 541, pp. 1212–1220. ISSN: 0022-1694. DOI: [10.1016/j.jhydrol.2016.08.026](https://doi.org/10.1016/j.jhydrol.2016.08.026).

Girons Lopez, M., Wennerström, H., Nordén, L.-Å., and Seibert, J. (2015). "Location and Density of Rain Gauges for the Estimation of Spatial Varying Precipitation". In: *Geografiska Annaler: Series A, Physical Geography* 97.1, pp. 167–179. ISSN: 1468-0459. DOI: [10.1111/geoa.12094](https://doi.org/10.1111/geoa.12094).

Skills

Programming

Python • Matlab • L^AT_EX • R • Fortran • Markdown • Bash

Software

ArcGIS • QGIS • HBV • HYPE • Git • Inkscape • Linux

Instrumentation

Campbell data loggers • hydro-meteorological sensors

Languages

Native

Catalan • Spanish

Full professional proficiency

English

Professional working proficiency

Swedish • French

Elementary proficiency

German

Other

Swedish driving license (B)

Grants, Awards, & Honours

2017

Travel grant • Swiss Association of Geography

To participate in the first snow hydrology workshop in Finse (Norway).

2016

EGU's Photo contest • EGU

Winner of the 2016 EGU's Photo Contest with the photo [Living Flows](#).

2015

Research Fellowship • CUAHSI

To participate in the US National Water Center Innovators Program ([NFIE](#)).

2014

Travel grant • Liljewalchs Foundation

To participate in the 2016 EGU General Assembly in Vienna (Austria).

2009

Scholarship • Swedish-Spanish Foundation

As support during my master studies.

2007

Scholarship • Erasmus Programme

To study in Grenoble (France) as an exchange student for a full year.

Other Activities

2016 —

Translator • Planet Press

I translate short scientific articles for kids from the European Geosciences Union (EGU) Planet Press initiative from English to Spanish.

2013

Volunteer • IAHS

I volunteered supporting the organisation of the 2013 IAHS, IAPSO, IAPSEI Joint Assembly in Gothenburg (Sweden).

References available on request.